

ABSTRACT

The present invention provides an erasable colored pencil lead composition comprising a colorant, one or more binder resins, a fibrillatable or fibrillated material, and a filler. The colored pencil lead of the present invention produces marks on paper, which are easily erased by ordinary pencil eraser. The mark made using the composition has a cohesive nature that assists in the removal from paper in sheet or film like sections by the use of an ordinary eraser without smearing or leaving a residue. In a preferred embodiment, the composition is free or substantially free of low melting waxes or wax like materials. Examples of suitable binder resins include high density polyethylene, low density polyethylene, polypropylene, and high melting waxes. Examples of fibrillated or fibrillatable materials include fibrillatable or fibrillated polytetrafluoroethylene and ethylene-vinyl acetate copolymer. The colored pencil lead composition may further include a lubricant. Examples of suitable lubricants include particulate lubricants such as micronized PTFE and non-particulate lubricants such as alkoxyated materials, e.g., polyethylene glycols. The present invention further provides a process for using the colored pencil lead composition. The present invention further provides a process for preparing the colored pencil lead of the present invention.